VPort 2110

1-channel MJPEG Video Server for Remote Surveillance via TCP/IP Networks

* MOXA VPort SDK supported with flexible interface and sample codes for third-party developers. (Contact a MOXA sales representative for more information about this SDK.)

Features

- Digitizes analog video signals INSTANTLY
- Remote access with built-in web server for viewing and configuring
- Auto-sensing 10/100 Mbps Ethernet port and modem dial-in connection
- Built-in advanced Video Motion Detection (VMD)
- Supports PTZ (PAN/TILT/ZOOM) motorized camera control via RS-232/RS-485 COM port
- Equipped with 1 DI and 1 Relay (DO) for external sensor and alarm
- Snapshot images can be sent via FTP or E-mail
- MOXA SoftDVR™ Lite for viewing and recording bundled free

Introduction

MOXA VPort 2110 Video Server, equipped with 1-ch video input, image digitizer, image compressor with Motion-JPEG compression, and web server with 10/100 Mbps Ethernet/ Modem interface, can digitize analog video sources and distribute digital images over a computer network, turning your CCTV video surveillance system into a "Video-over-IP" Network System INSTANTLY.

Integrated Network System Structure

System integrators can use VPort 2110 Video Server to integrate various functions, such as camera management, video storage, video recording and playback, VMD (Video Motion Detection), video interaction with DI/DO devices, etc., over an IP-based network.

Built-in Web Server for Video Management and Control

MOXA VPort 2110 has a built-in Web Server that allows users to fully manage and control camera and video images. In addition to viewing and camera/video settings, advanced functions, such as VMD (Video Motion Detection), PTZ camera control, and sequential viewing, are also provided by VPort 2110. Snapshot images taken by either VMD or sequential mode can be obtained by email or FTP to inform users of the status of events.

Automatic Video Surveillance System via Interaction with I/O Sensors and Alarms

MOXA VPort 2110 Video Server is equipped with 1 Digital Input and 1 Relay Output (DO) to connect with sensors and alarms. By using system software (such as MOXA SoftDVR™ Pro IP Surveillance Software) or Script Command programming, users can construct an automatic video surveillance system by setting the interaction between cameras and DI/DO devices.

Specifications

Technology

Video Input (BNC): 1

NTSC/PAL: Auto-sensing or Manual

Network

Protocols: TCP, HTTP, SMTP, FTP, Telnet, NTP, DNS, and DHCP

Modem: PPP (Dial-in, direct cable connection)

Ethernet: Auto sensing 10/100 Mbps

Video

Video Compression: JPEG, MJPEG

Video Resolution:

NTSC: Up to 30 frames at 176 × 112
Up to 30 frames at 352 × 240
Up to 10 frames at 704 × 480

PAL: Up to 25 frames at 176 × 144
Up to 25 frames at 352 × 288
Up to 8 frames at 704 × 576

Video Resolution:
- Adjustable image size and quality
- B/W or color control
- Timestamp and text overlay

Serial Port

COM: 1, Max. 115.2 Kbps
RS-232 (male DB9) or RS-485 (terminal block) for Data+, Data-

GPIO

Digital Input: 1 (max. 12 VDC @ 50 mA)

Relay Output (DO): 1 (max. 24 VDC @ 1A, 125 VAC @ 0.5A)

LED Indicators

NETWORK: Network Link

CONNECT: System active

SERIAL: Serial status

Mechanical

Dimensions (W x D x H): 95.5 x 106 x 50 mm
3.76 x 4.17 x 1.97 in.

Weight: 410 g

Installation: Wall Mounting, DIN-Rail Mounting (Optional kit)

Power Requirements

Input: 12 VDC, 1.5A

Consumption: near 4.2 W

Environmental

Operating Temperature: 0 to 60˚C (32 to 149˚F)

Storage Temperature: -40 to 70˚C (-40 to 158˚F)

Humidity: 5 to 95% (non-condensing)

Regulatory Approvals: FCC, CE

Warranty: 5 years

Alarm Features

- Video Motion Detection with percentage and sensitivity
- Daily-repeated timing schedule
- 3 color images per camera for pre/trigger/post alarm
- Automatic transfer of stored images via email or FTP with event-triggered actions

PAN/TILT/ZOOM

- Multiple PTZ camera control through RS-232/485
- Supported devices and protocols:
  Sony VISCA, Cannon VC-C1/VC-C3/VC-C4, Dynacolor Smart DOME, Pelco D protocol, Liling, Ernitec, and Custom camera

Remote Software Upgrade

System firmware upgradeable via bundled upgrade wizard or FTP

Security: User level password protection

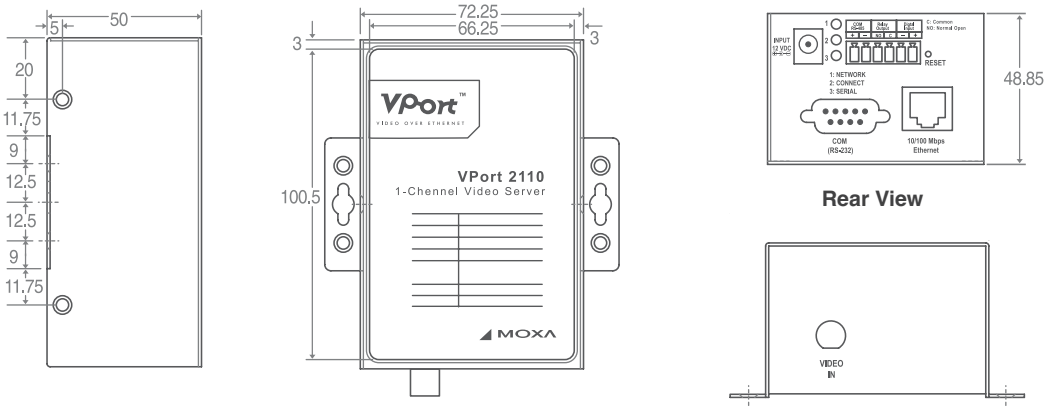
Viewing System requirements

- Internet Explorer 4.x or above
- Netscape Navigator 4.x or above

Software Bundled Free

MOXA SoftDVR™ Lite: 1- to 4-ch IP Surveillance Software for viewing & recording

Dimensions (unit = mm)



Side View | Top View | Rear View | Front View

Ordering Information

VPort 2110: 1-ch MJPEG Video Server with 100-240V power adaptor (12 VDC, 1.5A) (12 VDC, 1.25A for UK plug)

Items included:
- 1 VPort 2110 Video Server
- Quick Installation Guide
- Null Modem Cable
- I/O Terminal Block Kit
- CD with User's Manual, SoftDVR™ Lite IP Surveillance Software
- Power Adaptor
- PTZ Camera Control Cable

Optional Accessories

DK-35A: DIN-Rail Mounting Kit (35 mm)